

## EAST Search History

### EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S138	2	("20040264982").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/13 10:56
S139	1	S138 and (temperature with breakdown)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/13 10:57
S140	1	S138 and (temperature same breakdown)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/13 10:58
S141	1	S138 and (ratio with breakdown)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/05/13 10:59
S142	2	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (fail\$4 or breakdown or breakdown) same (temperature-induc\$3 ir temperature relat\$3 or (high temperature and low teperature) or (significant variation with temperature))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:50

S144	6	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (fail\$4 or breakdown or breakdown) same (temperature-induc\$3 or temperature relat\$3 or temperature induc\$3 or temperature-relat\$3 or (high temperature and low teperature) or (significant variation with temperature))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:51
S143	6	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (fail\$4 or breakdown or breakdown) same (temperature-induc\$3 or temperature relat\$3 or (high temperature and low teperature) or (significant variation with temperature))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:51
S146	178	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) with (fail\$4 or breakdown or breakdown) with temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:53
S145	839	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (fail\$4 or breakdown or breakdown) same temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:53

S149	28	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo-diode or ((optic\$2 or light) adj2 (receiver or detector))) with (fail\$4 or breakdown or break-down) with temperature and "398".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:54
S148	6	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo-diode or ((optic\$2 or light) adj2 (receiver or detector))) same (fail\$4 or breakdown or break-down) same (temperature-induc\$3 or temperature relat\$3 or temperature induc\$3 or temperature-relat\$3 or (high temperature and low teperature) or (significant variation with temperature))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:54
S147	28	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo-diode or ((optic\$2 or light) adj2 (receiver or detector))) with (fail\$4 or breakdown or break-down) with temperature and "398".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:54
S151	0	S148 not S143	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:55
S150	24	S149 not S144	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 15:55
S153	50	S152 not S150	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 16:27

S152	54	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (fail\$4 or breakdown or breakdown) same temperature same (feedback or fed back or feed back)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 16:27
S154	4	S152 and S150	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 16:28
S156	16	S155 not S152	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 16:44
S155	17	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (fault or rupture or broke\$3) same temperature same (feedback or fed back or feed back)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 16:44
S157	1	S155 and S152	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 16:45
S158	131	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (noise near3 ratio) same (fail\$4 or breakdown or breakdown or fault or rupture or broke\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 21:04

S160	91	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (noise near2 ratio) same (fail\$4 or breakdown or breakdown or rupture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 21:05
S159	95	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (noise near3 ratio) same (fail\$4 or breakdown or breakdown or rupture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/23 21:05
S163	0	S162 not S161	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/08 10:33
S162	92	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (noise near2 ratio) same (fail\$4 or breakdown or breakdown or rupture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/08 10:33
S161	96	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photodiode or ((optic\$2 or light) adj2 (receiver or detector))) same (noise near3 ratio) same (fail\$4 or breakdown or breakdown or rupture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/08 10:33
L2	13	(harres with daniel).in. and receiver and temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/18 09:35

L1	36	(harres with daniel).in. and receiver	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/18 09:35
L3	4	((avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo- diode or ((optic\$2 or light) adj2 (receiver or detector))) and (noise near4 ratio) same (fail\$4 or breakdown or break- down or rupture) and temperature and (398/38,202-213).ccls.	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/18 09:58
L7	0	((avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo- diode or ((optic\$2 or light) adj2 (receiver or detector))) and (noise near4 (level or energy)) and (fail\$4 or breakdown or break-down or rupture) and temperature and (feedback or feed back or fed back)).clm. and (398/38,202-213). ccls.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/18 10:04
L8	1	((avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo- diode or ((optic\$2 or light) adj2 (receiver or detector))) and (noise near4 (level or energy)) and (fail\$4 or breakdown or break-down or rupture) same temperature and (feedback or feed back or fed back) and (averag\$3 with noise with (high or low)) and (398/38,202- 213).ccls.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/18 10:06

L9	2	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo-diode or ((optic\$2 or light) adj2 (receiver or detector))) and (noise near4 (level or energy)) and (fail\$4 or breakdown or break-down or rupture) and temperature and (feedback or feed back or fed back) and (averag\$3 with noise with (high or low)) and (398/38,202-213).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/18 10:07
----	---	---	---	-----	----	---------------------

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	2	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo-diode or ((optic \$2 or light) adj2 (receiver or detector))) and (noise near4 ratio) same (fail\$4 or breakdown or break-down or rupture) and temperature and (398/38,202-213).ccls.	USPAT; UPAD	ADJ	ON	2010/07/18 09:59
L5	11	(avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo-diode or ((optic \$2 or light) adj2 (receiver or detector))) and (noise near4 (level or energy)) and (fail\$4 or breakdown or break-down or rupture) and temperature and (feedback or feed back or fed back) and (398/38,202-213).ccls.	USPAT; UPAD	ADJ	ON	2010/07/18 10:02

L6	0	((avalanche photodiode or APD or photodiode or pD or photodetector or photo-detector or photo-diode or ((optic \$2 or light) adj2 (receiver or detector))) and (noise near4 (level or energy)) and (fail\$4 or breakdown or breakdown or rupture) and temperature and (feedback or feed back or fed back)).clm. and (398/38,202-213).cls.	USPAT; UPAD	ADJ	ON	2010/07/18 10:04
----	---	---	-------------	-----	----	------------------

7/18/2010 10:10:00 AM

C:\Documents and Settings\liu1\My Documents\EAST\Workspaces\AP10608281.wsp